AMENDMENTS TO THE CLAIMS

Claims 1 to 25 (Cancelled)

- 26. (Currently Amended) An isolated nucleic acid molecule comprising a polynucleotide sequence selected from the group consisting of:
- (a) an isolated polynucleotide encoding a polypeptide comprising amino acids 1 to 665 of SEQ ID NO:109; and
- (b) an isolated polynucleotide encoding a polypeptide comprising amino acids 2 to 665 of SEQ ID NO:109;
- (c) an isolated polynucleotide encoding a polypeptide comprising amino acids 1 to 302 of SEQ ID NO:109;
- (d) an isolated polynucleotide encoding a polypeptide comprising amino acids 2 to 302 of SEQ ID NO:109;
- (e) an isolated polynucleotide encoding a polypeptide comprising at least 473 contiguous amino acids of SEQ ID NO:109, wherein said polypeptide has phosphatase activity; and
- (f) an isolated polynucleotide which represents the complementary sequence of (a), (b), (c), (d), or (e).
- 27. (Previously Presented) The isolated nucleic acid molecule of claim 26, wherein said polynucleotide is (a).
- 28. (Currently Amended) The isolated nucleic acid molecule of claim 27, wherein said polynucleotide comprises of of second nucleotides 538 to 2532 of SEQ ID NO:108.
- 29. (Previously Presented) The isolated nucleic acid molecule of claim 26, wherein said polynucleotide is (b).
- 30. (Previously Presented) The isolated nucleic acid molecule of claim 29, wherein said polynucleotide comprises nucleotides 541 to 2532 of SEQ ID NO:108.
 - 31. (Cancelled)
 - 32. (Cancelled).
 - 33. (Canceled).
 - 34. (Cancelled).
 - 35. (Cancelled).
 - 36. (Cancelled).

- 37. (Cancelled).
- 38. (Previously Presented) A recombinant vector comprising the isolated nucleic acid molecule of claim 26.
- 39. (Currently Amended) A recombinant host cell comprising the vector sequences sequence of claim 38.
 - 40. (Previously Presented) A method of making an isolated polypeptide comprising:
- (a) culturing the recombinant host cell of claim 39 under conditions such that said polypeptide is expressed; and
 - (b) recovering said polypeptide.
- 41. (Previously Presented) The isolated polynucleotide of claim 26 wherein said nucleic acid sequence further comprises a heterologous nucleic acid sequence.
- 42. (Previously Presented) The isolated polynucleotide of claim 41 wherein said heterologous nucleic acid sequence encodes a heterologous polypeptide.
- 43. (Previously Presented) The isolated polynucleotide of claim 42 wherein said heterologous polypeptide is the Fc domain of immunoglobulin.
- 44. (Previously Presented) An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:
- (a) a polynucleotide comprising the cDNA clone contained in plasmid RET31 in ATCC Deposit No. PTA-3434; and
- (b) a polynucleotide comprising the cDNA clone contained in plasmid BMY_HPP5 in ATCC Deposit No. PTA-2966.
- 45. (Previously Presented) The isolated polynucleotide of claim 44 wherein said nucleic acid sequence further comprises a heterologous nucleic acid sequence.
- 46. (Previously Presented) The isolated polynucleotide of claim 45 wherein said heterologous nucleic acid sequence encodes a heterologous polypeptide.
- 47. (Previously Presented) The isolated polynucleotide of claim 46 wherein said heterologous polypeptide is the Fc domain of immunoglobulin.
 - 48. (Cancelled)
 - 49. (Cancelled)
 - 50. (Cancelled)
 - 51. (Cancelled)

- 52. (Cancelled)
- 53. (Cancelled)
- 54. (Cancelled)
- 55. (Cancelled)
- 56. (Cancelled).
- 57. (New) An isolated polynucleotide comprising a polynucleotide encoding amino acids 2 to 665 of SEQ ID NO:109 comprising amino acid substitutions at amino acid residue 180; at amino acid residue 193; at amino acid residue 293; and at amino acid residue 315; wherein the substitute amino acid at amino acid residue 180 is methionine; the substitute amino acid at amino acid residue 293 is alanine; and the substitute amino acid at amino acid residue 315 is proline; and wherein said polypeptide has phosphatase activity.
- 58. (New) An isolated polynucleotide comprising a polynucleotide encoding amino acids 2 to 665 of SEQ ID NO:109 comprising amino acid substitutions at amino acid residue 5, at amino acid residue 180; at amino acid residue 193, at amino acid residue 284, at amino acid residue 302, at amino acid residue 584, wherein the substitute amino acid at amino acid residue 5 represents an amino acid deletion at this position, the substitute amino acid at amino acid residue 180 is methionine, the substitute amino acid at amino acid residue 193 is asparagine, the substitute amino acid at amino acid residue 302, and the substitute amino acid at amino acid residue 302 and the substitute amino acid at amino acid residue 584 is arginine; and wherein said polypeptide has phosphatase activity.
- 59. (New) An isolated polynucleotide comprising a polynucleotide encoding amino acids 2 to 665 of SEQ ID NO:109 comprising amino acid substitutions at amino acid residue 5, at amino acid residue 6, at amino acid residue 180; at amino acid residue 193, and at amino acid residue 284, wherein the substitute amino acid at amino acid residue 5 is isoleucine, the substitute amino acid at amino acid residue 180 is methionine, the substitute amino acid at amino acid a
- 60. (New) An isolated polynucleotide encoding a polypeptide comprising amino acids 1 to 302 of SEO ID NO:109.
- 61. (New) The isolated nucleic acid molecule of claim 60, wherein said polynucleotide comprises nucleotides 538 to 1443 of SEQ ID NO:108.

- 62. (New) An isolated polynucleotide encoding a polypeptide comprising amino acids 2 to 302 of SEQ ID NO:109.
- 63. (New) The isolated nucleic acid molecule of claim 62, wherein said polynucleotide comprises nucleotides 541 to 1443 of SEQ ID NO:108.
- 64. (New) An isolated polynucleotide encoding a polypeptide comprising at least 473 contiguous amino acids of SEQ ID NO:109, wherein said polypeptide has phosphatase activity.
- 65. (New) The isolated nucleic acid molecule of claim 64, wherein said polynucleotide comprises at least 1419 contiguous nucleotides of SEQ ID NO:108.
- 66. (New) An isolated polynucleotide which represents the complementary sequence of a member of the group consisting of:
 - (a) the isolated polynucleotide (a) of claim 26;
 - (b) the isolated polynucleotide (b) of claim 26;
 - (c) the isolated polynucleotide of claim 60;
 - (d) the isolated polynucleotide of claim 62; and
 - (e) the isolated polynucleotide of claim 64.
- 67. (New) The isolated nucleic acid molecule of claim 60, wherein said encoded polypeptide comprises amino acid substitutions at amino acid residue 5, at amino acid residue 6, at amino acid residue 180; at amino acid residue 193, and at amino acid residue 284, wherein the substitute amino acid at amino acid residue 5 is isoleucine, the substitute amino acid at amino acid residue 6 is valine, the substitute amino acid at amino acid a
- 68. (New) The isolated nucleic acid molecule of claim 62, wherein said encoded polypeptide comprises amino acid substitutions at amino acid residue 5, at amino acid residue 6, at amino acid residue 180; at amino acid residue 193, and at amino acid residue 284, wherein the substitute amino acid at amino acid residue 5 is isoleucine, the substitute amino acid at amino acid residue 6 is valine, the substitute amino acid at amino acid a
- 69. (New) The isolated nucleic acid molecule of claim 62, wherein said encoded polypeptide comprises amino acid substitutions at amino acid residue 180; at amino acid residue 193, and at amino acid residue 293, wherein the substitute amino acid at amino acid residue 180 is

methionine, the substitute amino acid at amino acid residue 193 is asparagine, and the substitute amino acid at amino residue 293 is alanine, wherein said polypeptide has phosphatase activity.